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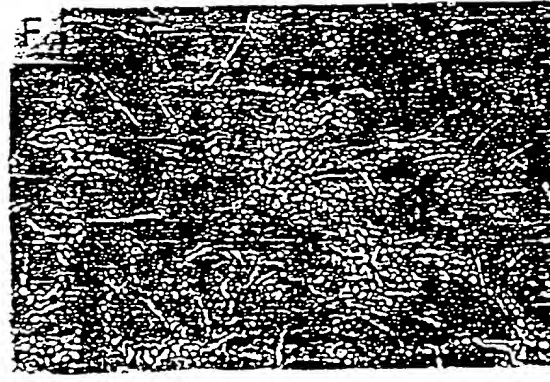
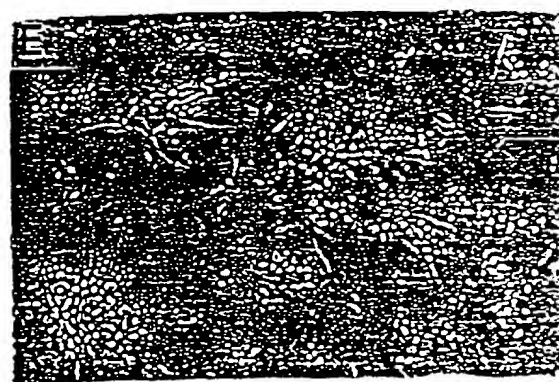
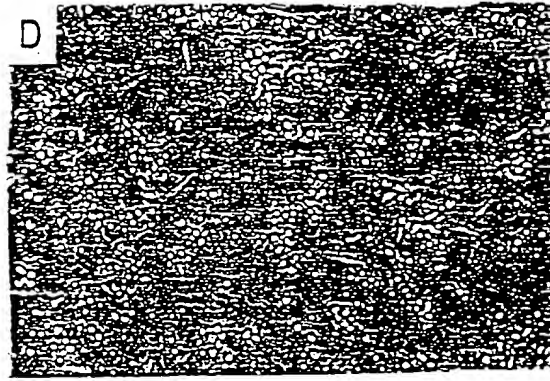
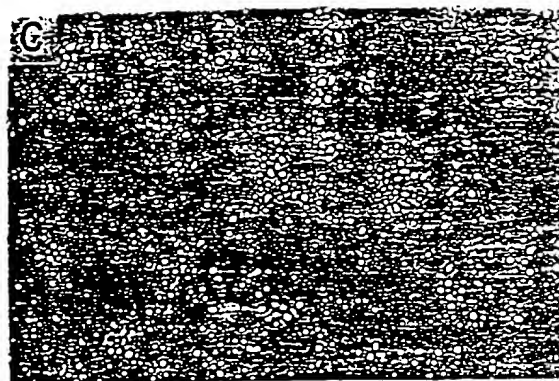
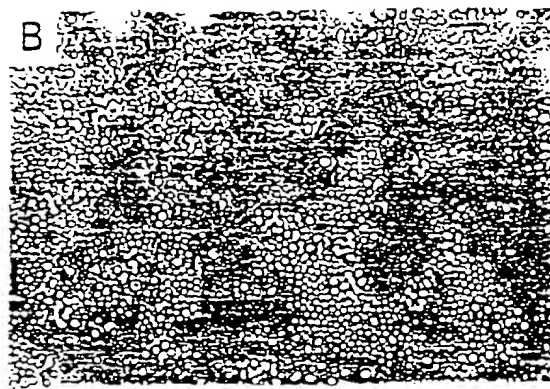
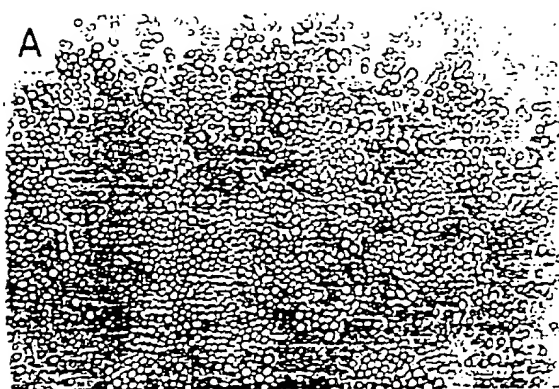


Fig 1A — 1F

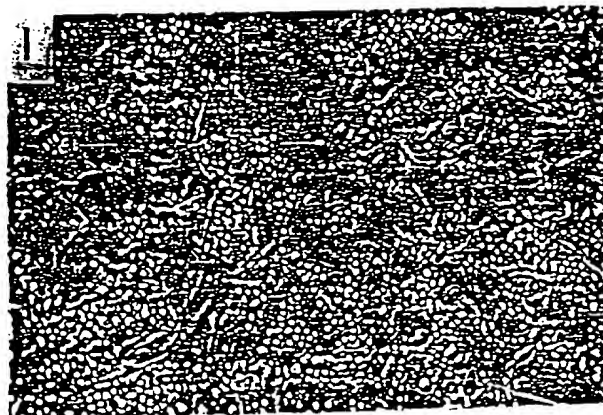
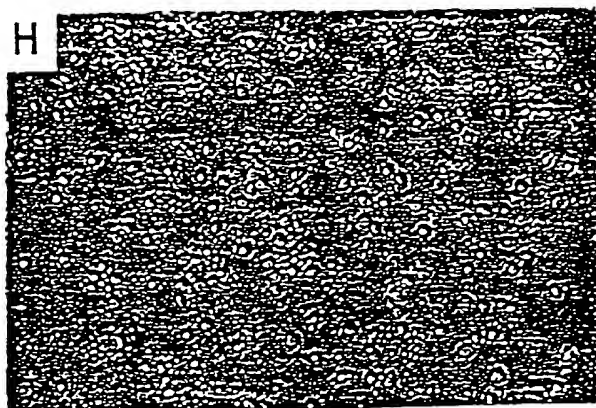
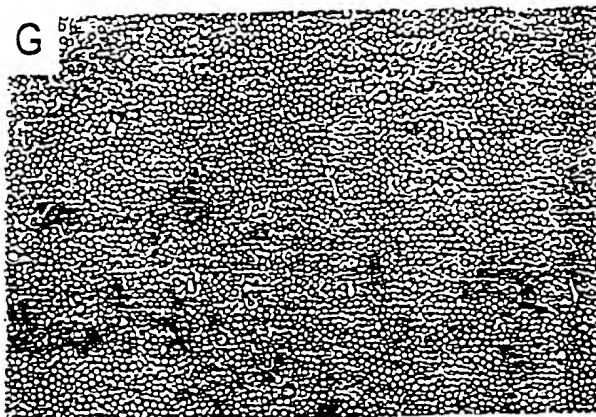
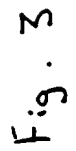


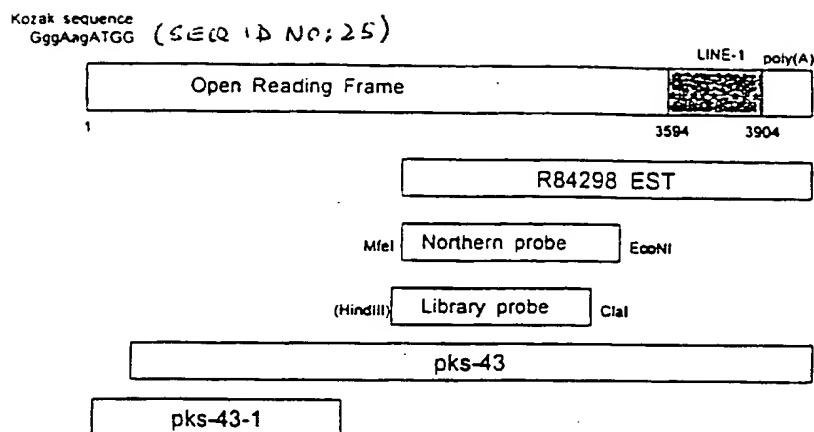
Fig 1G - 1I

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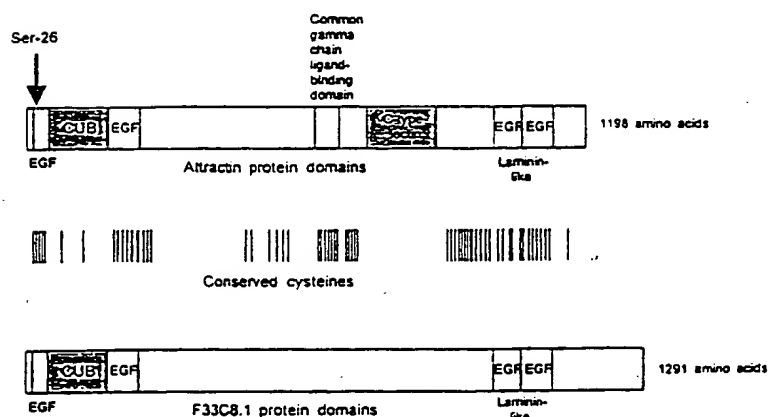
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 101 NHFATECSWD HLYVYDGDSI YAPLVAAFSG LIVPERDGNE TVPEVVATSG  
 151 YALLHFFSDA AYNLTGFNIT YSFD MCPNNC SGRGECKISN SSETVECECS  
 201 ENWKGEACDI PHCTDNC GPF HRGICNSSDV RGCSCFSDWQ GPGCSVPVPA  
 251 NQSFWTREEY SNLKLPRASH KAVVNGNIMW VVGGYMFNHS DYNMVLAYDL  
 301 ASREWLP LNR SVNNVVVRYG HSLALYKDKI YMYGGKIDPT GNVTNELRVF  
 351 HIHNESWVLL TPKAKEQYAV VGHSAHIVTL KNGRVVMLVI FGHCPLYGYI  
 401 SNVQEYDL DK NTWSILHTQG ALVQGGYGHS SVYDHRTRAL YVHGGYKAFS  
 451 ANKYRLADDL YRYD VDTQMW TILKDSRFFR YLHTAVIVSG TMLVFGGNTH  
 501 NDTSM SHGAK CFSSDFMAYD IACDRWSVLP RPD LHHDVNR FGHS AVLHNS  
 551 TMYVFGGFNS LLLSDILVFT SEQCDHRSE AACLAAGPGI RCVWNTGSSQ  
 601 CISWALATDE QEEKLKSECF SKRTL DHDRC DQHTDCYSCT ANTNDCHWCN  
 651 DHCVP RNHSC SEGQISIFRY ENCPKDNPMY YCNKKTSCRS CALDQNCQWE  
 701 PRNQECIALP ENICGIGWHL VGNSCLKITT AKENYD NAKL FCRNHNALLA  
 751 SLTTQKKVEF VLKQLRIMQS SQMSKLT LT PWVGLRKINV SYWCWEDMSP  
 801 FTNSLLQWMP SEPSDAGFCG ILSEPSTRGL KAATCINPLN GSV CERPANH  
 851 SAKQCRTPCA LRTACGDCTS GSSECMWCSN MKQCVDSNAY VASFPFGQCM  
 901 EWYTMSTCPP ENCSGYCTCS HCLEQPGCGW CTDPSNTGKG KCIEGSYKGP  
 951 VKMPSQAPTG NFYPQPLLNS SMCLEDSRYN WSFIHCPACQ CNGH SKCINQ  
 1001 SICEKCENLT TGKHCETCIS GFYGDPTNGG KCQPCKCNGH ASLCNTNTGK  
 1051 CFCTTKGVKG DECQLCEVEN RYQGNPLRGT CYYTLLIDYQ FTFSLSQEDD  
 1101 RYYTAINFVA TPDEQNRDL D MFINASKNFN LNITWAASFS AGTQAGEEMP  
 1151 VVSKTNIKEY KDSFSNEKFD FRNHPNITFF VYVSNFTWPI KIQVQTEQ



A



B



C

Atractin

Minimum serine protease

Prolyl oligo  
peptidase

Trypsin

-#-X-X-X-A-X-X-X-#-X(10)

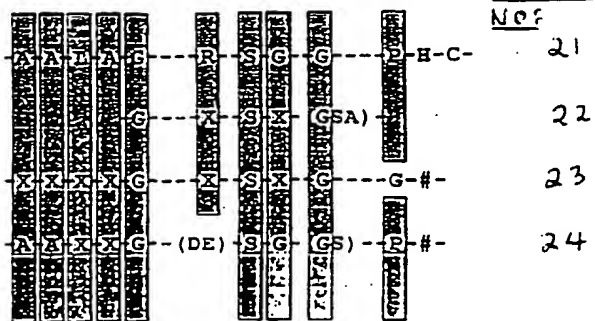


Fig. 4

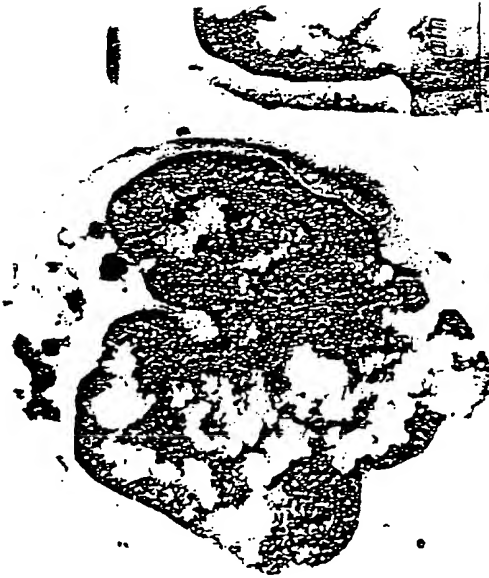


Fig. 5

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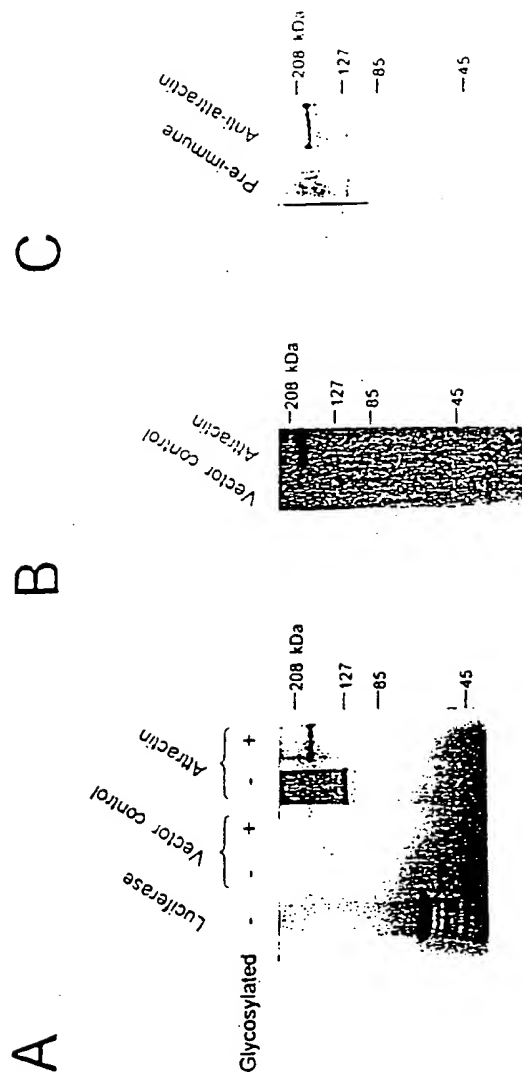


Fig. 6

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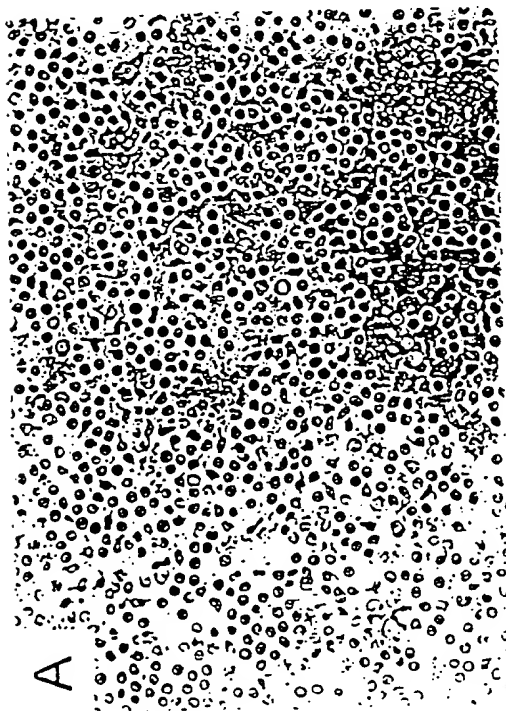
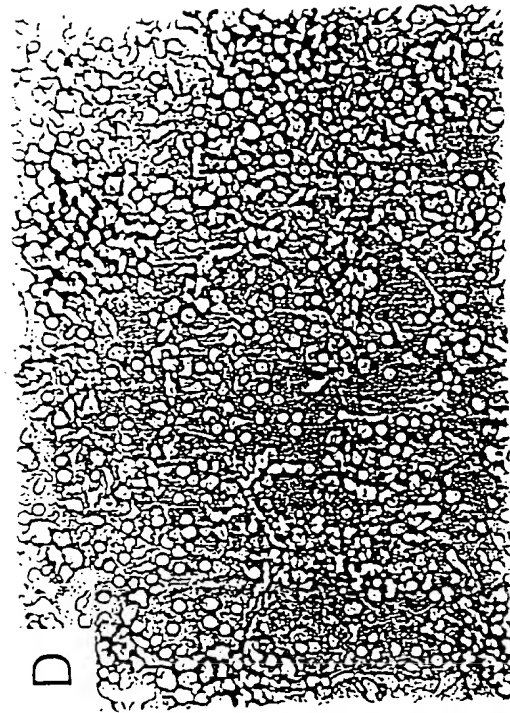
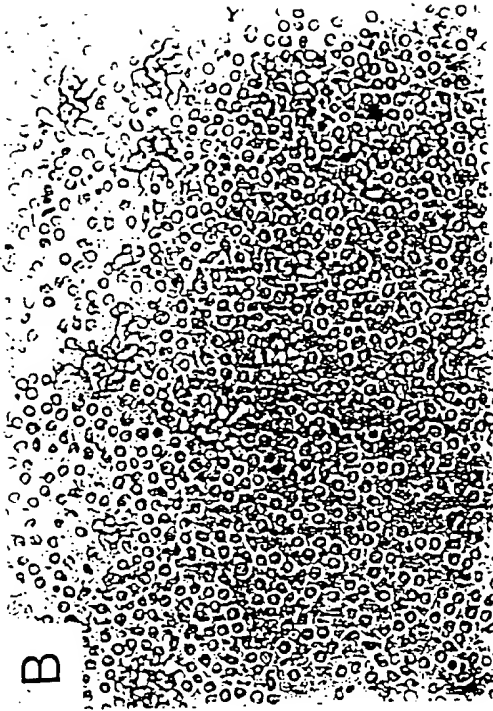


Fig. 7.



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51 GCGGACGGCA GCGCTCGCGG GCAGGAGCGG CGGGCCGCAC TGTGTCAACG  
101 GCGGTCGCTG CAACCCTGGC ACCGGCCAGT GCGTCTGCCC CGCCGGCTGG  
151 GTGGGCGAGC AATGCCAGCA CTGCGGGGGC CGCTTCAGAC TAACTGGATC  
201 TTCTGGGTTT GTGACAGATG GACCTGGAAA TTATAAATAC AAAACGAAGT  
251 GCACGTGGCT CATTGAAGGA CAGCCAAATA GAATAATGAG ACTTCGTTTC  
301 AATCATTTTG CTACAGAGTG TAGTTGGGAC CATTTATATG TTTATGATGG  
351 GGA CTCAATT TATGCACCGC TAGTTGCTGC ATTTAGTGGC CTCATTGTTC  
401 CTGAGAGAGA TGGCAATGAG ACTGTCCCTG AGGTTGTTGC CACATCAGGT  
451 TATGCCTTGC TGCATTTTTT TAGTGATGCT GCTTATAATT TGA CTGGATT  
501 TAATATTACT TACAGTTTTG ATATGTGTcC AAATAACTGC TCAGGcCGAG  
551 GAGAGTGTA GATCAGTAAT AGCAGCGAAA CTGTTGAATG TGAATGTTCT  
601 GAAAACTGGA AAGGTGAAGC ATGTGACATT CCTCACTGTA CAGACAACTG  
651 TGGTTTTCTC CATCGAGGCA TCTGCAATTC AAGTGATGTC AGAGGATGCT  
701 CCTGCTTCTC AGACTGGCAG GGTCTGGAT GTTCAGTTCC TGTACCAGCT  
751 AACCAGTCAT TTTGGACTCG AGAGGAATAT TCTAACTTAA AGCTCCCCAG  
801 AGCATCTCAT AAAGCTGTGG TCAATGGAAA CATTATGTGG GTTGTGGAG  
851 GATATATGTT CAACCACTCA GATTATAACA TGGTTCTAGC GTATGACCTT  
901 GCTTCTAGGG AGTGGCTTCC ACTAAACCGT TCTGTGAACA ATGTGGTTGT  
951 TAGATATGGT CATTCTTTGG CATTATACAA GGATAAAATT TACATGTATG  
1001 GAGGAAAAAT TGATcCAACT GGAATGTGA CCAATGAGTT GAGAGTTTTT  
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1101 GTATGCAGTG GTTGGGCACT CTGCACACAT TGTTACACTG AAGAATGGCC  
1151 GAGTGGTCAT GCTGGTCATC TTTGGTCACT GCCCTCTCTA TGGATATATA  
1201 AGCAATGTGC AGGAATATGA TTTGGATAAG AACACATGGA GTATATTACA  
1251 CACCCAGGGT GCCCTTGTGC AAGGGGGTTA CGGCCATAGC AGTGTTTACG  
1301 ACCATAGGAC CAGGGCCCTA TACGTTCATG GTGGCTACAA GGCTTTTCAGT

1351 GCCAATAAGT ACCGGCTTGC AGATGATCTC TACCGATATG ATGTGGATAC  
1401 CCAGATGTGG ACCATTCTTA AGGACAGCCG ATTTTCCCGT TACTTGCACA  
1451 CAGCTGTGAT AGTGAGTGGA ACCATGCTGG TGTTTGGGGG AAACACACAC  
1501 AATGACACAT CTATGAGCCA TGGCGCCAAA TGCTTCTCTT CAGATTTTCAT  
1551 GGCCTATGAC ATTGCCTGTG ACCGCTGGTC AGTGCTTCCC AGACCTGATC  
1601 TCCACCATGA TGTCAACAGA TTTGGCCATT CAGCAGTCTT ACACAACAGC  
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1701 GGTATTACAC TCGGAACAGT GTGATGCGCA TCGGAGTGAA GCCGCTTGTT  
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2001 TTTTAGGTAT GAGAATTGCC CCAAGGATAA CCCCATGTAC TACTGTAACA  
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2201 ATTATGACAA TGCTAAATTG TTCTGTAGGA ACCACAATGC CCTTTTGGCT  
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2651 GTGTGGACTC CAATGCCTAT GTGGCCTCCT TCCCTTTTGG CCAGTGTATG

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3451 GTTGTTTCAA AAACCAACAT TAAGGAGTAC AAAGATAGTT TCTCTAATGA  
3501 GAAGTTTGAT TTTGCAACC ACCCAAATAT CACTTTCTTT GTTTATGTCA  
3551 GTAATTTTAC CTGGCCCATC AAAATTCAGG TGCAAACCTGA ACAATGA

Fig. 8C

FIGURE 9

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201 ENWKGEACDI PHCTDNC GFP HRGICNSSDV RGCSCFSDWQ GPGCSVPVPA  
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301 ASREWLP LNR SVMNVVRYG HSLALYKDKI YMYGGKIDST GNVTNELRVF  
351 HIHNESWVLL TPKAKEQYAV VGHSAHIVTL KNGRVVMLVI FGHCPLYGYI  
401 SNVQEYDL DK NTWSILHTQG ALVQGGYGH SSVYDHRTRAL YVHGGYKA FS  
451 ANKYRLADDL YRYD VDTQMW TILKDSRFFR YLHTAVIVSG TMLVFGGNTH  
501 NDTSM SHGAK CFSSDFMAYD IACDRWSVLP RPD LHHDVNR FGHS AVLHNS  
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601 CISWALATDE QEEKLKSECF SKRTL DHDRC DQHTDCYSCT ANTNDCHWCN  
651 DHCVPRNHSC SEGQISIFRY ENCPKDNPMY YCNKKTSCRS CALDQNCQWE  
701 PRNQECIALP ENICGIGWHL VGNSCLXITT AKENYDNAKL FCRNHNALLA  
751 SLTTQKKVEF VLKQLRIMQS SQSMSKLT LT PWVGLRKINV SYWCWEDMSP  
801 FTNSLLQWMP SEPSDAGFCG ILSEPSTRGL KAATCINPLN GSV CERPANH  
851 SAKQCRTPCA LRTACGDCTS GSSECMWCSN MKQCVDSNAY VASF PFGQCM  
901 EWYTMSTCPP ENCSGYCTS HCLEQPGCGW CTDPSNTGKG KCIEGSYKGP  
951 VKMPSQAPTG NFYPQPLLNS SMCLEDSRYN WSFIHCPACQ CNGH SKCINQ  
1001 SICEKCNLT TGKHCETCIS GFYGDPTNGG KCQPC KCNGH ASLCNTNTGK  
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1201 NFMDLVQFFV TFFSCFLSLL LVA AVVWKIK QSCWASRRRE QLLREM QOMA  
1251 SRPFASVNVA LETDEEPPDL IGGSIKTVPK PIALEPCFGN KAAVLSVFVR  
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T0390"06701

FIGURE 10A

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851 gatatatgtt caaccactca gattataaca tggttctagc gtatgacctt  
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2101 ccccggaatc aggagtgcac tgccctgccc gaaaatatct gtggcattgg  
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T 6 3 3 3 " 4 6 9 4 6 6 0

FIGURE 10B

2651 gtgtggactc caatgcctat gtggcctcct tcccttttgg ccagtgtatg  
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2801 ccagcaatac tggcaaaggg aaatgcatag agggttccta taaaggacca  
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3851 tggagccgtg ttttggcaac aaagccgctg tcctctctgt gtttgtgagg  
3901 ctccctcgag gcctgggtgg catccctcct cctgggcagt caggctctgc  
3951 tgtggccagc gccctggtgg acatttctca gcagatgccg atagtgtaca  
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## FIGURE 11

MVAAAAATEARLRRRTAATAALAGRSSGPHWDWDVTRAGRPGLGAGLRRLPRLSPPLR  
PRLLLLLLLLPPPLLLLLLPCEAEAAAAAAVSGSAAAEAKECDRPCVNGGRGNPGTG  
QCVCAPAGWVGEQCQHCGGRFRLTGSSGFVTDGPGNYKYKTKCTWLEQGQPRIMRLRF  
NHFATECSWDHLYVTDGDSIYAPLVAAFSGLIVPERDGNETVPEVWATSGYALLHFFS  
DAAYNLITGFNITYSFDMPNNCSGRGECKISNSSETVECECSENWKGEACDIPHCTDN  
CGFPHRGICNSSDVRGCSFSDWQPGGCSVPVPANQSFWTREEYSNLKLPRAHKAVV  
NGNIMVWVGGYMFNHSYDYMVLAYDLASREWLPNRSVMNVVVRVYGHSLALYDKIYM  
YGGKIDPTGNVTNELRVFHIHNESWVLLTPKAKEQYAVVGHSAHIVTLKNGRVVMLVI  
FGHCPLYGYISNVQEYDLKNTWSILHTQGALVQGGYGHSSVYDHRTRALYVHGGYKA  
FSANKYRLADDLYRYDVTQMWTLKDSRFFRYLHTAVIVSGTMLVFGGNTHTDTSMS  
HGAKCFSSDFMAYDIACDRWSVLPRPDLHHDVNRFGHSAVLHNSTMYVFGGFNSLLLS  
DILVFTSEQDAHRSEAACLAAGPGIRCVWNTGSSQCISWALATDEQEEKLHSECFSK  
RTLHDHRCDOHTDCYCTANTNDCHWCNDHCVPRNHSCSEGQISIFRYENCFFDNPMY  
YCNKKTSCRSCALDQNCQWEPRNQECIALPENICGIGWHLVGNLCLKITTAKENYDNA  
KLFCRNHNALLASLTQKKVEFVLKQLRIMQSSQSMKLTLPWVGLRKINVSYWCWE  
DMSPFNTSLLQWMPSEPSDAGFCGILSEPSTRGLKAATCINPLNGSVCPANHSAKO  
CRTPCALRTACGDCSTGSSECMWCSNMKQCVDSNAYVASFFFGQCMEWYTMSTCPPEN  
CSGYCTCSHCLEQPGCGWCTDPSNTGKGKCIEGSYKGPVKMPSQAPTGNFYQPPLNS  
SMCLEDSRYNWSFIHCPACQCNGHSCINQSIKCEKCNLTGKHCETCISGFYGDPTN  
GGKCQPCCKNGHASLCNTNTGKCFCTTKGVKGDECQLCEVENRYQGNPLRGTCTYTL  
IDYQFTFSLSQEDDRYYTAINFVATPDEQNRDLDMFINASKNFNLNITWAASFSAGTQ  
AGEEMPVVSKTNIKEYKDSFSNEKFDNRNHPNITFFVYVSNFTWPIKIQVQTEQ

T 0 9 7 8 7 0 9 7

FIGURE 12

1 atggtggccg cagcggcggc aactgaggca aggctgagga ggaggacggc ggcgacggca  
61 gcgctcgccg gcaggagcgg cgggcccgcac tgggactggg acgtgaccag ggcgggagg  
121 cgggggctgg gggccgggct gcgcctcccg cggctgctgt cccaccgct gcggccacgg  
181 ctgctgctgc tgcgtgtgtt gctcccggcg ccgctgttgc tgcctgtgag gccctgtgag  
241 gccgaggccg cggcggcggc ggcggcgggtg tccgggtcag ccgcagccga ggcgaaggaa  
301 tgtgaccggc cctgtgtcaa cggcggctgc tgcaaccctg gcaccggcca gtgcgtctgc  
361 cccgccggct ggggtggcga gcaatgccag cactgcccgg gccgcttcag actaactgga  
421 tcttctgggt ttgtgacaga tggacctgga aattataaat acaaaacgaa gtgcacgtgg  
481 ctcatggaag gacagccaaa tagaataatg agacttcgtt tcaatcattt tgctacagag  
541 tgtagtggg accatttata tgtttatgat ggggactcaa tttatgcacc gctagtgtgt  
601 gcatttagtg gcctcattgt tcctgagaga gatggcaatg agactgtccc tgaggttgtt  
661 gccacatcag gttatgcctt gctgcatttt tttagtgtg ctgcttataa tttgactgga  
721 tttaatatta cttacagctt tgatagtgtt ccaataaact gctcaggccg aggagagtgt  
781 aagatcagta atagcagcga aactgttcaa tgtgaatgtt ctgaaaactg gaaagggtgaa  
841 gcatgtgaca ttcctcactg tacagacaac tgtggttttc ctcacgagg catctgcaat  
901 tcaagtgtatg tcagaggatg ctcctgcttc tcagactggc agggctcctg atgttcagtt  
961 cctgtaccag ctaaccagtc attttggact cgagaggaat attctaactt aaagctcccc  
1021 agagcatctc ataaagctgt ggtcaatgga aacattatgt ggggtgttgg aggatatatg  
1081 ttcaaccact cagattataa catggttcta gcgtatgacc ttgcttctag ggagtggctt  
1141 ccactaaacc gttctgtgaa caatgtgtgt gtttagatatg gtcattcttt ggcatatac  
1201 aaggataaaa tttacatgta tggagggaaa attgatccaa ctgggaatgt gaccaatgag  
1261 ttgagagttt ttacattca taatgagtca tgggtgttgt tgacccctaa ggcaaaggag  
1321 cagtatgcag tcttgggca ctctgcacac attgttacac tgaagaatgg ccgagtggtc  
1381 atgctggcca tctttggcca ctgccccttc tatggatata taagcaatgt gcaggaatat  
1441 gatttggata agaacacatg gagtatatta cacaccagg gtgcccttgt gcaagggggg  
1501 tacggccata gcagtgttta cgaccatagg accagggcc tctaccgata tgatgtggat  
1561 aaggctttca gtgccaataa gtaccggctt gcagatgatc gttacttgca cacagctgtg  
1621 acccagatgt ggaccattct taaggacagc cgatttttcc gttacttgca cacagctgtg  
1681 atagtgtgtg gaaccatgct ggtgtttggg ggaaacacac acaatgacac atctatgagc  
1741 catggcgcca aatgcttctc ttcagatttc atggcctatg acattgcctg tgaccgtgtg  
1801 tcagtgtctc cagacctga tctccacctg gatgtcaaca gatttggcca ttcagcagtc  
1861 ttacacaaca gcaccatgta tgtgttcggg ggtttcaata gtctccctc cagcgacatc  
1921 ctggtattca cctcggaaca gtgtgatgcg catcggagtg aagccgcttg tttagcagca  
1981 ggacctggtt ttcgggtgtg gtggaacaca gggctgctctc agtgcctcgc gtggcgctg  
2041 gcaactgatg aacaagaaga aaagttaaaa tcagaatgtt tttccaaaag aactcttgac  
2101 catgacagat gtgaccagca cacagattgt tacagctgta cagccaacac caatgactgc  
2161 cactgggtgca atgaccattg tgtccccagg aaccacagct gctcagaagg ccagatctcc  
2221 attttttaggt atgagaattg ccccaaggat aaccccatgt actactgtaa caagaagacc  
2281 agctgcagga gctgtgccct ggaccagaac tggcagtggg agccccgaa tcaggagtgc  
2341 attgccctgc ctgtggcatt ggctggcatt tgggtggaaa ctcatgtttg  
2401 aaaattacta ctgccaagga gaattatgac aatgctaaat tgttctgtag gaaccacaat  
2461 gcccttttgg cttctcttac aaccagaag aaggtagaat ttgtccttaa gcagctgcga  
2521 ataatgcagt catctcagag catgtccaa gctacettta cccatgggtt cggcctcgg  
2581 aagatcaatg tgcctactg gtgctgggaa gatattgtccc catttacaaa tagtttacta  
2641 cagtggatgc cgtctgagcc cagtgtgct ggattctgtg gaattttatc agaaccagt  
2701 actcggggac tgaaggctgc aacctgcac aacccactca atggtagtgt ctgtgaaagg  
2761 cctgcaaac acagtgtcaa gcagtgcgg acaccatgtg ccttgaggac agcatgtgga  
2821 gattgcacca gcggcagctc tgagtgcac tgggtgcagca acatgaagca gtgtgtggac  
2881 tccaatgcct atgtggcctc cttccctttt ggccagtgtg tggaaatggta tacgatgagc  
2941 acctgcccc ctgaaaattg ttcaggctac tgtacctgta gtcattgctt ggagcaacca  
3001 ggctgtggct ggtgtactga tcccagcaat actggcaaa ggaatgcat agagggttcc  
3061 tataaaggac cagtgaagat gccttcgcaa gcccctacag gaaatttcta tccacagccc  
3121 ctgctcaatt ccagcatgtg tctagaggac agcagataca actggctctt cattcactgt  
3181 ccagcttgcc aatgcaacgg ccacagtaaa tgcacatc agagcatctg tgagaagtgt  
3241 gagaacctga ccacaggcaa gcactgcag acctgcata ctggcttcta cgggtatccc  
3301 accaatggag ggaatgtca gccatgcaag tgcattgggc acgcgtctct gtgcaacacc  
3361 aacacgggca agtgcttctg caccaccaag ggcgtcaagg gggacgagt ccagctatgt  
3421 gaggtagaaa atcgatacca aggaaccct ctcagaggaa catgttatta tactctctt  
3481 attgactatc agttcacctt tagtctatcc caggaagatg atcgctatta cacagctatc  
3541 aattttgtgg ctactcctga cgaacaaac agggatttgg acatgttcat caatgcctcc  
3601 aagaatttca acctcaacat cactgggct gccagtttct cagctggaac ccaggctgga  
3661 gaagagatgc ctgttgtttc aaaaaccaac attaaggagt acaaaagatg tttctcta  
3721 gagaagtttg attttcgcaa ccacccaaat atcactttct ttgtttatgt cagtaatttc  
3781 acctggccca tcaaaattca ggtgcaaac gaacaatga

T 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



FIGURE 13

1 MVA AAAATEA RLRRRTAATA ALAGRSGGPH WDWDVTZAGR PGLGAGLRLP  
51 RLLSPPLRPR LLLLLLLLPP PLLLLLLLPCE AEAAAAAAV SGSAAAEAKE  
101 CDRPCVNGGR CNPGTGQCVC PAGWVGEQCQ HCGGRFRLTG SSGFVTDGPG  
151 NYKYKTKCTW LIEGQPNRIM RLRFNHFATE CSWDHLYVYD GDSIYAPLVA  
201 AFSGLIVPER DGNETVPEVV ATSGYALLHF FSDAAYNLTG FNITYSFDMC  
251 PNNCSSRGEC KISNSSETVE CECSENWKGE ACDIPHCTDN CGFPHRGICN  
301 SSDVRGCSCF SDWQGP GCSV PVPANQSFWT REEYSNLKLP RASHKAVVNG  
351 NIMWVVG GYM FNHSDYNMVL AYDLASREWL FLNRSVNNVV VRYGHSALY  
401 KDKIYMYGGK IDPTGNVTNE LRVFHIHNS WVLLTPKAKE QYAVVGHSAH  
451 IVTLKNGRVV MLVIFGHCPL YGYISNVQY DLDKNTWSIL HTQ GALVQGG  
501 YGHSSVYDHR TRALYVHGGY KAFSANKYRL ADDLYRYDVD TQMWTILKDS  
551 RFFRYLHTAV IVSGTMLVFG GNTHNDTSMS HGAKCFSSDF MAYDIACDRW  
601 SVLPRPDLHH DVNRFGHSAV LHNSTMYVFG GFNSLLLSDI LVFTSEQCDA  
651 HRSEAACLAA GPGIRCWNNT GSSQCISWAL ATDEQEEKLK SECFSKRTLD  
701 HDRCDQHTDC YSCTANTNDC HWCNDHCVPR NHSCSEGQIS IFRYENC PKD  
751 NPMYYCNKKT SCRSCALDQN CQWEPRNQC IALPENICGI GWHLVGN SCL  
801 KIT TAKENYD NAKLFCRNHN ALLASLT TQK KVEFVLKQLR IMQSSQSMSK  
851 LTLTPWVGLR KINVS YCWE DMSPTNSLL QWMPSEPSDA GFCGILSEPS  
901 TRGLKAATCI NPLNGSV CER PANHSAKQCR TPCALRTACG DCTSGSSECM  
951 WCSNMKQCV D SNAYVASFPF GQCM EYTMS TCPPENC SGY CTC SHCLEQP  
1001 GCGWCTDPSN TGKGKCI EG S YKGPVKMPSQ APTGNFY PQP LLNSSMCLED  
1051 SRYNWSFIHC PACQCNGH SK CINQSICEKC ENLTTGKHCE TCISGFY GDP  
1101 TNGGKCQ PCK CNGHASLCNT NTGKCFCTTK GVKGDECQLC EVENRYQGNP  
1151 LRGTCYYTLL IDYQFTFSL S QEDDRYYTAI NFVATPDEQN RDLDMFINAS  
1201 KNFNLNITWA ASFSAGTQAG EEMPVVS KTN IKEYKDSFSN EKFD FRNHPN  
1251 ITFFVYVS NF TWPIKIQIAF SQHSNFMDLV QFFVTFFSCF LSLLLVA AVV  
1301 WKIKQSCWAS RRREQLLREM QQMASRPFAS VNVALETDEE PPD LIGGSIK  
1351 TVPKPIALEP CFGNKA AVLS VFVRLPRGLG GIPPPGQ SGL AVASALVDIS  
1401 QQMPIVYKEK SGAVRNRKQQ PPAQPGTCI

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FIGURE 14A

1 atggtggccg cagcggcgcc aactgaggca aggctgagga ggaggacggc  
51 ggcgacggca gcgctcgcgg gcaggagcgg cgggcccac tgggactggg  
101 acgtgaccag ggctgggagg cgggggctgg gggccgggct gcgcctcccg  
151 cggctgctgt cccaccgct gcggccacgg ctgctgctgc tgctgtgtt  
201 gctcccgcgg ccgctgttgc tgctgctgct gccctgtgag gccgaggccg  
251 cggcggcgggc ggcggcggtg tcgggctcag ccgcagccga gcccaaggaa  
301 tgtgaccggc cctgtgtcaa cggcggtcgc tgcaaccctg gcaccggcca  
351 gtgctgtctgc cccgcccggc ggggtgggca gcaatgccag cactgccccg  
401 gccgcttcag actaactgga tcttctgggt ttgtgacaga tggacctgga  
451 aattataaat acaaaacgaa gtgcacgtgg ctcatggaag gacagccaaa  
501 tagaataatg agacttcgtt tcaatcattt tgctacagag tgtagtggg  
551 accatttata tgtttatgat ggggactcaa tttatgcacc gctagtgtct  
601 gcatttagtg gcctcattgt tccagagaga gatggcaatg agactgtccc  
651 tgagggtgtt gccacatcag gttatgcctt gctgcatttt tttagtgtg  
701 ctgcttataa tttgactgga tttaatatta cttacagtgt tgatatgtgt  
751 ccaaataact gctcaggccg aggagagtgt aagatcagta atagcagcga  
801 aactgttgaa tgtgaatgtt ctgaaaactg gaaagggtga gcatgtgaca  
851 ttcctcactg tacagacaac tgtgggtttc ctcatcgagg catctgcaat  
901 tcaagtgtg tcaaggatg ctctgcttc tcagactggc aggggtcctgg  
951 atgttcagtt cctgtaccag ctaaccagtc attttggact cgagagggaat  
1001 attctaactt aaagctcccc agagcatctc ataaagctgt ggtcaatgga  
1051 aacattatgt ggggtgttgg aggatatatg ttcaaccact cagattataa  
1101 catggttcta gcgtatgacc ttgcttctag ggagtggctt ccactaaacc  
1151 gttctgtgaa caatgtggtt gttagatatg gtcattcttt ggcattatac  
1201 aaggataaaa tttacatgta tggaggaaaa attgatccaa ctgggaatgt  
1251 gaccaatgag ttgagagttt ttcacattca taatgagtca tgggtgttgt  
1301 tgacccttaa ggcaaaaggag cagtatgcag tgggtgggca ctctgcacac  
1351 attgtttacac tgaagaatgg ccgagtggtc atgctgggca tctttgggca  
1401 ctgcccctctc tatggatata taagcaatgt gcaggaatat gatttggata  
1451 agaacacatg gagtatatta cacaccagg gtgcccctgt gcaaggggggt  
1501 tacggccata gcagtgttta cgaccatagg accaggggccc tatacgttca  
1551 tgggtggctac aaggctttca gtgccaataa gtaccggctt gcagatgatc  
1601 tctaccgata tgatgtggat acccagatgt ggaccattct taaggacagc  
1651 cgatttttcc gttacttgca cacagctgtg atagtgagtg gaaccatgct  
1701 ggtgttttggg ggaaacacac acaatgacac atctatgagc catggcgcca  
1751 aatgcttctc ttcagatttc atggcctatg acattgcttg tgaccgctgg  
1801 tcagtgtctc ccagacctga tctccaccat gatgtcaaca gatttggcca  
1851 ttcagcagtc ttacacaaca gcaccatgta tgtgttcggt ggtttcaata  
1901 gtctcctcct cagcgacatc ctggtattca cctcggaaca gtgtgatgcg  
1951 catcggagtg aagccgcttg tttagcagca ggacctggtt ttcgggtgtgt  
2001 gtggaacaca gggctcgtctc agtgtatctc gtgggcgctg gcaactgatg  
2051 aacaagaaga aaagttaaaa tcagaatgtt tttccaaaag aactcttgac  
2101 catgacagat gtgaccagca cacagattgt tacagctgta cagccaacac  
2151 caatgactgc cactggtgca atgaccattg tgtccccagg aaccacagct  
2201 gctcagaagg ccagatctcc attttttaggt atgagaattg ccccaaggat  
2251 aaccccatgt actactgtaa caagaagacc agctgcagga agctgtgccct  
2301 ggaccagaac tgccagtggg agccccggaa tcaggagtgc attgccctgc  
2351 ccgaaaatat ctgtggcatt ggctggcatt tgggttgaaa ctcatgtttg  
2401 aaaattacta ctgccaagga gaattatgac aatgctaaat tgttctgtag  
2451 gaaccacaat gcccttttgg cttctcttac aaccagaag aaggtagaat  
2501 ttgtccttaa gcagctgcga ataatgcagt catctcagag catgtccaag  
2551 ctcaccttaa ccccatgggt cggccttcgg aagatcaatg tgtcctactg  
2601 gtgctgggaa gatatgtccc catttacaaa tagtttacta cagtggatgc

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Figure 14B

2651	cgtctgagcc	cagtgatgct	ggattctgtg	gaattttatc	agaacccagt
2701	actcggggac	tgaaggctgc	aacctgcac	aacccactca	atggtagtgt
2751	ctgtgaaagg	cctgcaaacc	acagtgctaa	gcagtgccgg	acaccatgtg
2801	ccttgaggac	agcatgtgga	gattgcacca	gcggcagctc	tgagtgcattg
2851	tgggtgcagca	acatgaagca	gtgtgtggac	tccaatgcct	atgtggcctc
2901	cttccctttt	ggccagtgtg	tggaaatggta	tacgatgagc	acctgcccc
2951	ctgaaaattg	ttcaggctac	tgtacctgta	gtcattgctt	ggagcaacca
3001	ggctgtggct	ggtgtactga	tcccagcaat	actgsgaaaag	ggaaatgcat
3051	agaggggttc	tataaaggac	cagtgaagat	gccttcgcaa	gccccacag
3101	gaaatttcta	tccacagccc	ctgctcaatt	ccagcatgtg	tctagaggac
3151	agcagataca	actggctctt	cattcactgt	ccagcttgcc	aatgcaacgg
3201	ccacagtaaa	tgcatcaatc	agagcatctg	tgagaagtgt	gagaacctga
3251	ccacaggcaa	gcactgcgag	acctgcatac	ctggcttcta	cgggtgatccc
3301	accaatggag	ggaaatgtca	gccatgcaag	tgcaatgggc	acgcgtctct
3351	gtgcaacacc	aacacgggca	agtgcctctg	caccaccaag	ggcgtcaagg
3401	gggacgagtg	ccagctatgt	gaggtagaaa	atcgatacca	aggaaacctt
3451	ctcagaggaa	catgttatta	tactcttctt	attgactatc	agttcacctt
3501	tagtctatcc	caggaagatg	atcgctatta	cacagctatc	aattttgtgg
3551	ctactcctga	cgaacaaaac	agggatttgg	acatgttcat	caatgcctcc
3601	aagaatttca	acctcaacat	cacctgggct	gccagtttct	cagctggaac
3651	ccaggctgga	gaagagatgc	ctgttggttc	aaaaaccaac	attaaggagt
3701	acaaagatag	tttctcta	gagaagtttg	attttcgcaa	ccacccaaat
3751	atcactttct	ttgtttatgt	cagtaatttc	acctggccca	tcaaaattca
3801	gattgccttc	tctcagcaca	gcaattttat	ggacctggta	cagttcttcg
3851	tgactttctt	cagttgtttc	ctctctttgc	tcctgggtggc	tgctgtggtt
3901	tggaaagatca	aacaaagtgt	ttgggcctcc	agacgtagag	agcaacttct
3951	tcgagagatg	caacagatgg	ccagccgtcc	ctttgcctct	gtaaatgtcg
4001	ccttggaaac	agatgaggag	cctcctgatc	ttattggggg	gagtataaag
4051	actgttccca	aacccattgc	actggagccg	tgttttggca	acaaagccgc
4101	tgteectctct	gtgtttgtga	ggctccctcg	aggcctgggt	ggcatccctc
4151	ctcctgggca	gtcaggtctt	gctgtggcca	gcgccctggg	ggacatttct
4201	cagcagatgc	cgatagtgtg	caaggagaag	tcaggagccg	tgagaaaccg
4251	gaagcagcag	ccccctgcac	agcctgggac	ctgcatctga	

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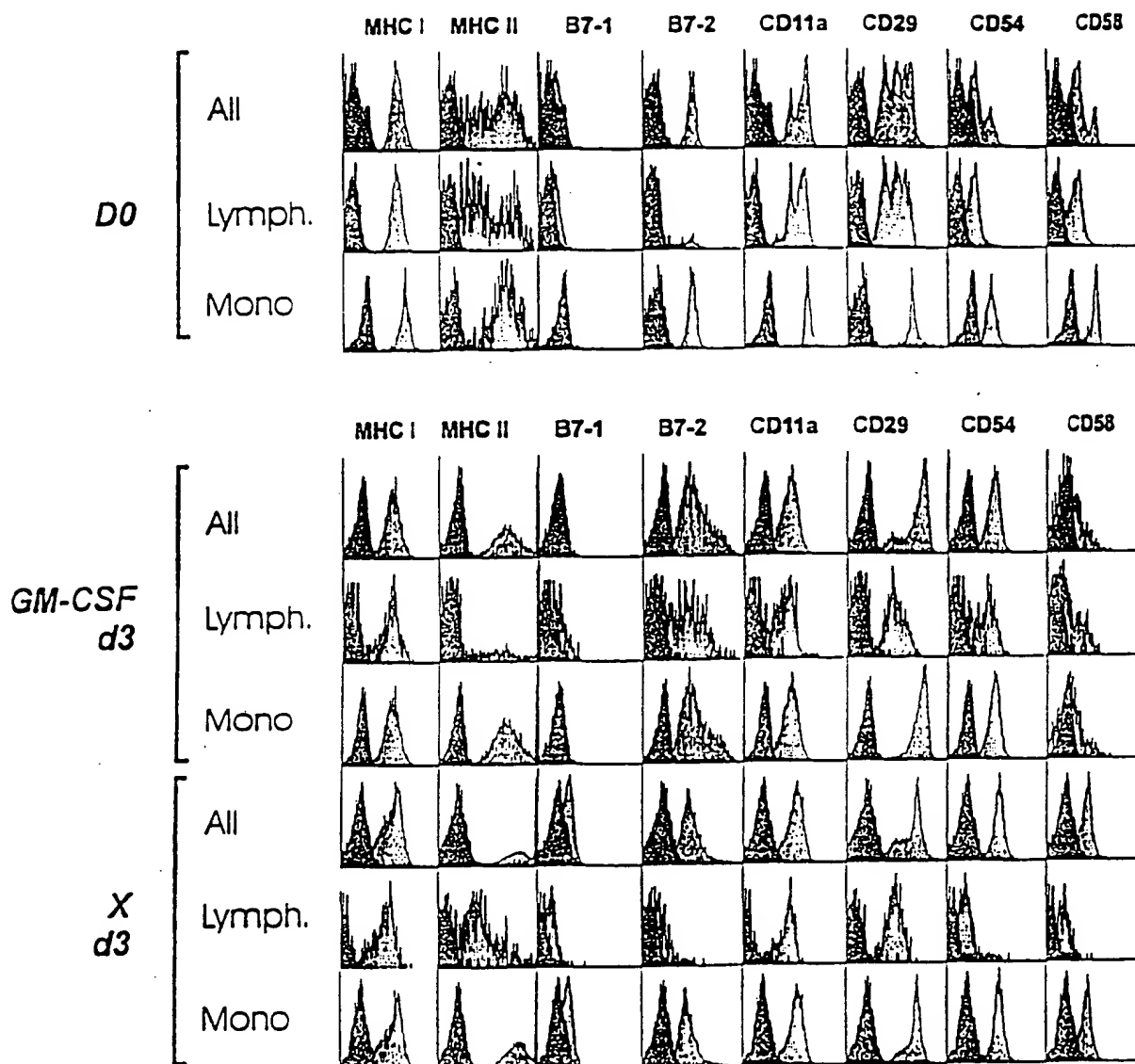


Fig. 15